Siehe ähnliche Dateien der ganzen Serie: http://farbe.li.tu-berlin.de/egks.htm
Technische Information: http://farbe.li.tu-berlin.de oder http://color.li.tu-berlin.de

**9stufige Grauskalierung zwischen $L^*_{0aN}$=22.3 und $L^*_{0aW}$=95.9, $Y_{0ref}$=3.6, Normierung Grau $U$**

$L^*_{0aN}$=22.3, $L^*_{0aU}$=59.1, $L^*_{0aW}$=96.0, $Y_{0aN}$=3.6, $Y_{0aU}$=27.2, $Y_{0aW}$=90.0, $C_{0aY}$=$Y_{0aW}$:$Y_{0aN}$=25.0
$L^*_{taN}$=30.3, $L^*_{taU}$=59.1, $L^*_{taW}$=92.9, $Y_{taN}$=6.3, $Y_{taU}$=27.2, $Y_{taW}$=82.6, $C_{taY}$=$Y_{taW}$:$Y_{taN}$=13.0

**Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen**

$g^*$ = 100 [$\Delta L^*_{min}$] / [$\Delta L^*_{max}$], $L^*_{CIELAB}$ = 116 [$Y/Y_n$]$^{1/3}$ – 16 mit $Y$ >= 0,882, $Y_n$=100

$g^*_5$ = 99, $g^*_9$ = 99 $g^*_5$ = 77, $g^*_9$ = 71 $g^*_5$ = 98, $g^*_9$ = 97

| $L^*_{CIELAB}$ n0. i | angestrebte Ausgabe L*0a | L*0r | Y0a | Y0r | reale Ausgabe L*ta | ΔL*ta | L*tr | Yta | (L*tr)$^{1.12}$ | linearisierte Ausgabe L*la | ΔL*la |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 96.0 | 1.0 | 90.0 | 1.0 | 92.9 | | 1.0 | 82.6 | 1.0 | 92.9 | |
| | | | | | | 8.6 | | | | | 7.7 |
| 8 | 86.8 | 0.875 | 69.6 | 0.763 | 84.3 | | 0.863 | 64.6 | 0.876 | 85.1 | |
| | | | | | | 8.5 | | | | | 7.8 |
| 7 | 77.6 | 0.75 | 52.5 | 0.566 | 75.8 | | 0.727 | 49.5 | 0.751 | 77.3 | |
| | | | | | | 8.4 | | | | | 7.8 |
| 6 | 68.4 | 0.625 | 38.5 | 0.403 | 67.4 | | 0.593 | 37.1 | 0.626 | 69.5 | |
| | | | | | | 8.2 | | | | | 7.9 |
| 5 | 59.1 | 0.5 | 27.2 | 0.273 | 59.1 | | 0.461 | 27.2 | 0.5 | 61.6 | |
| | | | | | | 8.0 | | | | | 7.9 |
| 4 | 49.9 | 0.375 | 18.4 | 0.171 | 51.1 | | 0.333 | 19.4 | 0.374 | 53.7 | |
| | | | | | | 7.6 | | | | | 7.8 |
| 3 | 40.7 | 0.25 | 11.7 | 0.094 | 43.5 | | 0.211 | 13.5 | 0.248 | 45.8 | |
| | | | | | | 7.0 | | | | | 7.7 |
| 2 | 31.5 | 0.125 | 6.9 | 0.038 | 36.5 | | 0.098 | 9.2 | 0.125 | 38.1 | |
| | | | | | | 6.1 | | | | | 7.8 |
| 1 | 22.3 | 0.0 | 3.6 | 0.0 | 30.3 | | 0.0 | 6.3 | 0.0 | 30.3 | |

$\Delta L^*_{0a}$=9.2 (i=1,2,...,8) **Normierung:** $Y_{taU}=Y_{0aU}\frac{Y_{0aI}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$

egk10−3n

**9stufige Grauskalierung zwischen $L^*_{0aN}$=22.3 und $L^*_{0aW}$=95.9, $Y_{0ref}$=0,9, Normierung Grau $U$**

$L^*_{0aN}$=22.3, $L^*_{0aU}$=59.1, $L^*_{0aW}$=96.0, $Y_{0aN}$=3.6, $Y_{0aU}$=27.2, $Y_{0aW}$=90.0, $C_{0aY}$=$Y_{0aW}$:$Y_{0aN}$=25.0
$L^*_{taN}$=24.8, $L^*_{taU}$=59.1, $L^*_{taW}$=95.1, $Y_{taN}$=4.3, $Y_{taU}$=27.2, $Y_{taW}$=88.0, $C_{taY}$=$Y_{taW}$:$Y_{taN}$=20.2

**Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen**

$g^*$ = 100 [$\Delta L^*_{min}$] / [$\Delta L^*_{max}$], $L^*_{CIELAB}$ = 116 [$Y/Y_n$]$^{1/3}$ – 16 mit $Y$ >= 0,882, $Y_n$=100

$g^*_5$ = 99, $g^*_9$ = 99 $g^*_5$ = 92, $g^*_9$ = 90 $g^*_5$ = 99, $g^*_9$ = 99

| $L^*_{CIELAB}$ n0. i | angestrebte Ausgabe L*0a | L*0r | Y0a | Y0r | reale Ausgabe L*ta | ΔL*ta | L*tr | Yta | (L*tr)$^{1.03}$ | linearisierte Ausgabe L*la | ΔL*la |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 96.0 | 1.0 | 90.0 | 1.0 | 95.1 | | 1.0 | 88.0 | 1.0 | 95.1 | |
| | | | | | | 9.0 | | | | | 8.7 |
| 8 | 86.8 | 0.875 | 69.6 | 0.763 | 86.1 | | 0.871 | 68.2 | 0.875 | 86.4 | |
| | | | | | | 9.0 | | | | | 8.8 |
| 7 | 77.6 | 0.75 | 52.5 | 0.566 | 77.1 | | 0.743 | 51.7 | 0.751 | 77.6 | |
| | | | | | | 9.0 | | | | | 8.8 |
| 6 | 68.4 | 0.625 | 38.5 | 0.403 | 68.1 | | 0.615 | 38.1 | 0.625 | 68.8 | |
| | | | | | | 8.9 | | | | | 8.8 |
| 5 | 59.1 | 0.5 | 27.2 | 0.273 | 59.1 | | 0.488 | 27.2 | 0.5 | 60.0 | |
| | | | | | | 8.9 | | | | | 8.8 |
| 4 | 49.9 | 0.375 | 18.4 | 0.171 | 50.3 | | 0.362 | 18.6 | 0.374 | 51.2 | |
| | | | | | | 8.7 | | | | | 8.8 |
| 3 | 40.7 | 0.25 | 11.7 | 0.094 | 41.5 | | 0.237 | 12.2 | 0.249 | 42.3 | |
| | | | | | | 8.5 | | | | | 8.8 |
| 2 | 31.5 | 0.125 | 6.9 | 0.038 | 33.0 | | 0.116 | 7.5 | 0.125 | 33.6 | |
| | | | | | | 8.1 | | | | | 8.8 |
| 1 | 22.3 | 0.0 | 3.6 | 0.0 | 24.8 | | 0.0 | 4.3 | 0.0 | 24.8 | |

$\Delta L^*_{0a}$=9.2 (i=1,2,...,8) **Normierung:** $Y_{taU}=Y_{0aU}\frac{Y_{0aI}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$

egk11−3n

**9stufige Grauskalierung zwischen $L^*_{0aN}$=22.3 und $L^*_{0aW}$=95.9, $Y_{0ref}$=1.8, Normierung Grau $U$**

$L^*_{0aN}$=22.3, $L^*_{0aU}$=59.1, $L^*_{0aW}$=96.0, $Y_{0aN}$=3.6, $Y_{0aU}$=27.2, $Y_{0aW}$=90.0, $C_{0aY}$=$Y_{0aW}$:$Y_{0aN}$=25.0
$L^*_{taN}$=26.9, $L^*_{taU}$=59.1, $L^*_{taW}$=94.3, $Y_{taN}$=5.1, $Y_{taU}$=27.2, $Y_{taW}$=86.1, $C_{taY}$=$Y_{taW}$:$Y_{taN}$=17.0

**Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen**

$g^*$ = 100 [$\Delta L^*_{min}$] / [$\Delta L^*_{max}$], $L^*_{CIELAB}$ = 116 [$Y/Y_n$]$^{1/3}$ – 16 mit $Y$ >= 0,882, $Y_n$=100

$g^*_5$ = 99, $g^*_9$ = 99 $g^*_5$ = 86, $g^*_9$ = 82 $g^*_5$ = 98, $g^*_9$ = 98

| $L^*_{CIELAB}$ n0. i | angestrebte Ausgabe L*0a | L*0r | Y0a | Y0r | reale Ausgabe L*ta | ΔL*ta | L*tr | Yta | (L*tr)$^{1.06}$ | linearisierte Ausgabe L*la | ΔL*la |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 96.0 | 1.0 | 90.0 | 1.0 | 94.3 | | 1.0 | 86.1 | 1.0 | 94.3 | |
| | | | | | | 8.9 | | | | | 8.4 |
| 8 | 86.8 | 0.875 | 69.6 | 0.763 | 85.5 | | 0.868 | 66.9 | 0.876 | 86.0 | |
| | | | | | | 8.8 | | | | | 8.4 |
| 7 | 77.6 | 0.75 | 52.5 | 0.566 | 76.6 | | 0.737 | 50.9 | 0.751 | 77.6 | |
| | | | | | | 8.8 | | | | | 8.4 |
| 6 | 68.4 | 0.625 | 38.5 | 0.403 | 67.8 | | 0.607 | 37.8 | 0.625 | 69.1 | |
| | | | | | | 8.7 | | | | | 8.5 |
| 5 | 59.1 | 0.5 | 27.2 | 0.273 | 59.1 | | 0.478 | 27.2 | 0.5 | 60.6 | |
| | | | | | | 8.6 | | | | | 8.5 |
| 4 | 49.9 | 0.375 | 18.4 | 0.171 | 50.6 | | 0.351 | 18.9 | 0.374 | 52.1 | |
| | | | | | | 8.3 | | | | | 8.4 |
| 3 | 40.7 | 0.25 | 11.7 | 0.094 | 42.2 | | 0.227 | 12.6 | 0.249 | 43.7 | |
| | | | | | | 8.0 | | | | | 8.4 |
| 2 | 31.5 | 0.125 | 6.9 | 0.038 | 34.3 | | 0.109 | 8.1 | 0.124 | 35.3 | |
| | | | | | | 7.3 | | | | | 8.4 |
| 1 | 22.3 | 0.0 | 3.6 | 0.0 | 26.9 | | 0.0 | 5.1 | 0.0 | 26.9 | |

$\Delta L^*_{0a}$=9.2 (i=1,2,...,8) **Normierung:** $Y_{taU}=Y_{0aU}\frac{Y_{0aI}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$

egk10−7n

**9stufige Grauskalierung zwischen $L^*_{0aN}$=22.3 und $L^*_{0aW}$=95.9, $Y_{0ref}$=90,0, Normierung Grau $U$**

$L^*_{0aN}$=22.3, $L^*_{0aU}$=59.1, $L^*_{0aW}$=96.0, $Y_{0aN}$=3.6, $Y_{0aU}$=27.2, $Y_{0aW}$=90.0, $C_{0aY}$=$Y_{0aW}$:$Y_{0aN}$=25.0
$L^*_{taN}$=53.7, $L^*_{taU}$=59.1, $L^*_{taW}$=70.7, $Y_{taN}$=21.7, $Y_{taU}$=27.2, $Y_{taW}$=41.8, $C_{taY}$=$Y_{taW}$:$Y_{taN}$=1.9

**Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen**

$g^*$ = 100 [$\Delta L^*_{min}$] / [$\Delta L^*_{max}$], $L^*_{CIELAB}$ = 116 [$Y/Y_n$]$^{1/3}$ – 16 mit $Y$ >= 0,882, $Y_n$=100

$g^*_5$ = 99, $g^*_9$ = 99 $g^*_5$ = 30, $g^*_9$ = 23 $g^*_5$ = 88, $g^*_9$ = 74

| $L^*_{CIELAB}$ n0. i | angestrebte Ausgabe L*0a | L*0r | Y0a | Y0r | reale Ausgabe L*ta | ΔL*ta | L*tr | Yta | (L*tr)$^{1.6}$ | linearisierte Ausgabe L*la | ΔL*la |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 96.0 | 1.0 | 90.0 | 1.0 | 70.7 | | 1.0 | 41.8 | 1.0 | 70.7 | |
| | | | | | | 3.4 | | | | | 2.2 |
| 8 | 86.8 | 0.875 | 69.6 | 0.763 | 67.3 | | 0.799 | 37.0 | 0.869 | 68.5 | |
| | | | | | | 3.1 | | | | | 2.2 |
| 7 | 77.6 | 0.75 | 52.5 | 0.566 | 64.2 | | 0.617 | 33.1 | 0.74 | 66.3 | |
| | | | | | | 2.7 | | | | | 2.1 |
| 6 | 68.4 | 0.625 | 38.5 | 0.403 | 61.5 | | 0.457 | 29.8 | 0.613 | 64.1 | |
| | | | | | | 2.3 | | | | | 2.0 |
| 5 | 59.1 | 0.5 | 27.2 | 0.273 | 59.1 | | 0.319 | 27.2 | 0.491 | 62.1 | |
| | | | | | | 1.9 | | | | | 1.9 |
| 4 | 49.9 | 0.375 | 18.4 | 0.171 | 57.2 | | 0.205 | 25.1 | 0.372 | 60.0 | |
| | | | | | | 1.5 | | | | | 1.9 |
| 3 | 40.7 | 0.25 | 11.7 | 0.094 | 55.7 | | 0.115 | 23.6 | 0.259 | 58.1 | |
| | | | | | | 1.1 | | | | | 1.9 |
| 2 | 31.5 | 0.125 | 6.9 | 0.038 | 54.5 | | 0.047 | 22.5 | 0.149 | 56.3 | |
| | | | | | | 0.8 | | | | | 2.5 |
| 1 | 22.3 | 0.0 | 3.6 | 0.0 | 53.7 | | 0.0 | 21.7 | 0.0 | 53.7 | |

$\Delta L^*_{0a}$=9.2 (i=1,2,...,8) **Normierung:** $Y_{taU}=Y_{0aU}\frac{Y_{0aI}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$

egk11−7n

TUB-Registrierung: 20230701-egk1/egk1l0n1.txt /.ps
Anwendung für Beurteilung und Messung von Display- oder Druck-Ausgabe
TUB-Material: Code=rha4ta

Prüfvorlage egk1; 9stufige Grauskalierung für vier Displayreflexionen $Y_{ref}$=3,6, 1,8, 0,9, 90 und Schwarz $L^*_{N,CIELAB}$=22.3, $Y_N$=3.6 & Weiß $L^*_{W,CIELAB}$=95.99, $Y_W$=90, Normierung: Grau $U$